

INTELLIGENT NETWORKED FAN ASSISTED TILES FOR ADAPTIVE THERMAL MANAGEMENT OF THERMALLY SENSITIVE ROOMS

Abstract of the Disclosure

A technique to provide well-balanced airflow in a computer data center that uses fan assisted tiles coupled to a host computer through a network. In an example embodiment, this is accomplished by disposing the fan tiles, including temperature and airflow sensors and a programmable switch to provide a Network address, in multiple locations in raised floor and ceiling of the computer data center. Further, the example embodiment includes coupling the fan tiles to the host computer through the network to control the fan tiles based on the feedback received from the temperature and airflow sensors to provide adaptive airflow balancing and thermal management in the computer data center.